



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/676,512	10/01/2003	Blair Birmingham	00100.03.0004	8531

29153 7590 05/25/2010
ADVANCED MICRO DEVICES, INC.
C/O VEDDER PRICE P.C.
222 N.LASALLE STREET
CHICAGO, IL 60601

EXAMINER

RAHMAN, FAHMIDA

ART UNIT	PAPER NUMBER
----------	--------------

2116

MAIL DATE	DELIVERY MODE
-----------	---------------

05/25/2010

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/676,512	Applicant(s) BIRMINGHAM, BLAIR	
	Examiner FAHMIDA RAHMAN	Art Unit 2116	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 April 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 2, 4-6, 8, 10, 12-14, 16, 18-22 and 24-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1, 2, 4-6, 8, 10, 12-14, 16, 18-22, 24, 26, 27, 29 is/are allowed.
- 6) ☒ Claim(s) 25 and 28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to communications filed on 4/28/10.
2. Claims 1, 10, 16 have been amended, claims 3, 7, 9, 11, 15, 17 and 23 have been canceled and claims 27-29 have been added.
3. Thus, claims 1-2, 4-6, 8, 10, 12-14, 16, 18-22, 24-29 are pending.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claim 28 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

Claim 28 recites a remote connection system comprising a remote connector, which includes a remote device capable of generating the wireless command. However, according to Fig 2, applicant's disclosure, the remote device 202 is not part of remote connector 200, though remote device is part of remote connection system represented by Fig 2.

Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wu (US Patent 7058739), in view of Young (US Patent 6963935).

For claim 25, Wu teaches the following limitations:

A remote connector (12 and 14) comprising:

- a power supply input receiver operably coupleable to a power source (102) and being capable of receiving a power supply for powering the remote connector (Fig 1 shows that 12 and 14 receive power supply from 102; lines 5-25 of column 3), wherein the remote connector is operably remote with respect to a computing system (12 and 14 are remote with respect to computing system 10);
- a plurality of ports, each of the plurality of ports capable of receiving a peripheral component (Fig 1 shows that hub 12 receives plurality of peripheral devices 13a-13d through corresponding ports; lines 10-13 of column 3) for communication with the computing system (lines 4-9 of column 3);

Art Unit: 2116

- a wireless receiver capable of wirelessly receiving a wireless command (Fig 1 shows that 14 receives wireless command) from a remote device (16-18 in Fig 1);
- and a transmitter (144, 142 in Fig 1) capable of generating a wake-up command in response to the wireless command (line 65, column 3 through line 6, column 4 mention that controller sends signals to the host to raise power) and capable of providing the wake-up command through an input/output interface (11b) to a processing unit (10) operably coupleable to the remote connector (Fig 1).

Although Wu's remote connector (i.e., combination of 12 and 14) comprises all the elements recited in the claims, one hub in Wu shown in Fig 1 does not have both physical and wireless interface. Young et al teach a system where hub has interface for both physical peripheral devices and wireless device (Fig 1; lines 5-10 of column 3 mention that peripherals can be wireless; Fig 2; thus, the hub can comprise interface for both wireless and physical devices).

It would have been obvious for one ordinary skill in the art at the time the invention was made to combine the teachings of Wu and Young. One ordinary skill would be motivated to interface devices 13a – 13d with 14 as taught in Young, since this will remove extra hub 12, which will save space and provides easier configuration.

Allowable Subject Matter

6. Claims 1-2, 4-6, 8, 10, 12-14, 16, 18-22, 24, 26-27, 29 are allowed.

Response to Arguments

7. Applicant's arguments regarding claims 1-2, 4-6, 8, 10, 12-14, 16, 18-20 have been fully considered and persuasive. Thus, the rejection has been withdrawn.

Applicant's arguments regarding claim 25 has been fully considered, but are not persuasive.

Regarding claim 25, the argument that claimed invention requires non-bus power source and wake-up command for remote processing unit is irrelevant. Claim does not require non-bus supply, or wake-up command for the processing unit. In Wu, 142 executes a set-up procedure that generates and provide commands to host to wake the connected devices (lines 1-10 of column 4). Thus, the transmitter generates wake-up command for the devices and provides the wake-up command to a processing unit throughout an I/O interface.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fahmida Rahman whose telephone number is 571-272-8159. The examiner can normally be reached on Monday Tuesday Thursday 8:30 - 5:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Lee can be reached on 571-272-3667. The fax phone number for

Art Unit: 2116

the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Fahmida Rahman/
Examiner
Art Unit 2116

/Thomas Lee/

Supervisory Patent Examiner, Art Unit 2115